

| Action Worksheet | |
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| TR-1: Drainage improvements and flood damage repair and prevention | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Vulnerable to flooding and heavy rain, significant flooding in the past. Serious erosion problems have occurred on East Lake Road and Wesley Road originating from rain events that occurred in 2011. Some recent development has occurred near flood zones and future development is anticipated near or within flood zones, (regulation/enforcement are important). Extensive flooding and damage in 2014. Did not meet FEMA threshold for reimbursement on damages. Experienced similar flood events in June 2015. |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-1: Drainage improvements and flood damage repair and prevention – road, ditch and culvert repair and upgrades, stream channel improvement and stream bank stabilization. Provide protection for critical facilities from 500yr flood events. |
| Name of Action or Project: | |
| Action or Project Description: | Roads ditches and culverts need repair or replacement. Over 3000 feet of ditches need repair. Wesley Rd needs repairs, 22 Roads in 52 areas sustained recent flood damage worst being Allens Hill, Canadice Lake Rd, East Lake Rd, Bell Rd (had one lane washed out). |
| Summary of Evaluation | Wesley Rd repairs estimated at \$250k. In 2014 over 100k damage to 22 Roads in 52 areas sustained damage worst being Allens Hill, Canadice Lake Rd, East Lake Rd, Bell Rd (had one lane washed out). |
| Benefits (losses avoided) | |
| Estimated Cost | Did not meet FEMA threshold for reimbursement on damages. |
| Other Factors Considered | |
| Plan for Implementation | |
| Responsible Organization: | Highway Superintendent |
| Action/Project Priority: | HIGH Priority |
| Timeline for Completion: | Ongoing |
| Potential Fund Sources: | USACE, Fish and Wildlife, Subject Matter Expertise from SWCD* |
| Local Planning Mechanisms to be Used in Implementation, if any: | Road repairs being made as Town Budget and resources allow. |
| Progress Report | |
| Date of Status Report: | Road repairs being made as Town Budget and resources allow. Received reimbursement from FEMA on the May 2015 flood event. Recently secured \$300,000 from New York State for road repairs related to recent flooding. |
| Report of Progress: | |
| Evaluation of Effectiveness: | |

* Oneida County SWCD available for peer consultation on how to address such issues

| Action Worksheet | |
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| TR-2: Flood insurance study and map updates | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Flood risk to some critical facilities - Richmond Fire Department (Honeoye) - In Flood Zone; Sewage Treatment Plant Structure - In Flood Zone; Heavy rain has affected the water system in the past (4/2011). Water flowed out of the top of well number two for three straight days from the hydraulic pressure due to saturated ground. Experienced similar problems during the flood events of May and July 2015. |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-2: |
| Name of Action or Project: | Flood insurance study and map updates |
| Action or Project Description: | Seek funding to update the community's flood insurance study and mapping and develop a strategy to protect critical facilities from ongoing flood risk |
| Summary of Evaluation Benefits (losses avoided) Estimated Cost Other Factors Considered | Be able to accurately communicate flood risk, protection of critical facilities from 500yr flood events \$50,000 |
| Plan for Implementation | |
| Responsible Organization: | Town Board |
| Action/Project Priority: | (HIGH Priority) |
| Timeline for Completion: | 2020 |
| Potential Fund Sources: | FEMA |
| Local Planning Mechanisms to be Used in Implementation, if any: | Seek funding opportunities to update the community's flood insurance study and mapping. |
| Progress Report | |
| Date of Status Report: Report of Progress: Evaluation of Effectiveness: | Flood Prevention Local Law being reviewed for possible update. |

| Action Worksheet | |
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| TR-3: Continue and expand aquatic invasive species programs | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Aquatic invasive species problem on Honeoye Lakes |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-3: |
| Name of Action or Project: | Continue and expand aquatic invasive species programs |
| Action or Project Description: | Programs could include information/education programs; watercraft stewards/inspection and organism removal; boat washing station |
| Summary of Evaluation | Public health concerns. Minimize potential damage to resources on which the recreation and tourism industry depend. |
| Benefits (losses avoided) | |
| Estimated Cost | \$10,000 education materials; |
| Other Factors Considered | \$50,000 – hire boat inspectors (if need be) \$40,000 – set up boat washing stations (if need be) |
| Plan for Implementation | |
| Responsible Organization: | Town Board, |
| Action/Project Priority: | HIGH Priority |
| Timeline for Completion: | Ongoing |
| Potential Fund Sources: | Communities bordering Honeoye Lake |
| Local Planning Mechanisms to be Used in Implementation, if any: | Honeoye Lake Watershed Task Force, Honeoye Valley Association with support from Finger Lakes (Partnership for Regional Invasive Species Management (PRISM)). |
| Progress Report | |
| Date of Status Report: | Continue programs. Expand where appropriate. Seek funding opportunities for program support. |
| Report of Progress: | |
| Evaluation of Effectiveness: | |

| Action Worksheet | |
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| TR-4: Local law enforcement and maintenance – stormwater management, soil erosion, steep slopes and timber harvesting laws | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Landslide Hazard - erosion and sediment control is a concern - erosion related to Honeoye lake is a concern; mudslide occurred due to heavy rain and flooding. |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-4: |
| Name of Action or Project: | Local law enforcement and maintenance – storm water management, soil erosion, steep slopes and timber harvesting laws |
| Action or Project Description: | Enforce Storm Water Management, Soil Erosion, Steep Slopes, and Timber Harvesting Laws and review/update periodically |
| Summary of Evaluation | Maintain natural and recreational resources |
| Benefits (losses avoided) | Staff time and resources |
| Estimated Cost | |
| Other Factors Considered | |
| Plan for Implementation | |
| Responsible Organization: | Town Board, |
| Action/Project Priority: | HIGH Priority |
| Timeline for Completion: | Ongoing |
| Potential Fund Sources: | Communities bordering the lake |
| Local Planning Mechanisms to be Used in Implementation, if any: | Periodic review and update as necessary. Revise as appropriate to reflect community development changes and visions for future development. (HIGH Priority) |
| Progress Report | |
| Date of Status Report: | In 2015, the Town Board adopted several ordinances dealing with: Stormwater Management Soil Erosion and Steep Slopes in the Honeoye Lake Watershed. |
| Report of Progress: | |
| Evaluation of Effectiveness: | Timber harvesting local law being reviewed for future update. |

| Action Worksheet | |
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| TR-5: Honeoye Lake water quality protection | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan – 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Honeoye lake water quality needs to be protected - sediment, nitrogen/phosphorus. |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-5: |
| Name of Action or Project: | Honeoye Lake water quality protection |
| Action or Project Description: | Support the development of programs planned for the protection of Honeoye Lake |
| Summary of Evaluation Benefits (losses avoided) Estimated Cost Other Factors Considered | Major one-year storm events are responsible for up to 70% of the sediment and nutrient loading Focus on programs that will be the most effective and cost beneficial. |
| Plan for Implementation | |
| Responsible Organization: | Town Board |
| Action/Project Priority: | High priority |
| Timeline for Completion: | Ongoing |
| Potential Fund Sources: | NYS DEC |
| Local Planning Mechanisms to be Used in Implementation, if any: | Periodic review and update as necessary. Revise as appropriate to reflect community development changes and visions for future development. (HIGH Priority) |
| Progress Report | |
| Date of Status Report: | Periodic review and update as necessary. Revise as appropriate to reflect community development changes and visions for future development. (HIGH Priority) |
| Report of Progress: | Periodic review and update as necessary. Revise as appropriate to reflect community development changes and visions for future development. (HIGH Priority) |
| Evaluation of Effectiveness: | Periodic review and update as necessary. Revise as appropriate to reflect community development changes and visions for future development. (HIGH Priority) |

| Action Worksheet | |
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| TR-6: Back-up generators for municipal facilities | |
| Name of Jurisdiction: | Town of Richmond |
| Name of Haz. Mit. Plan: | Ontario County Multi-Jurisdictional Hazard Mitigation Plan - 2015 |
| Risk / Vulnerability | |
| Problem being Mitigated: | Need expanded utility backup during hazard events |
| Potential Actions/Projects (not being Implemented at this time) | |
| Actions/Projects Considered with Summary Evaluation of Each: | |
| Action or Project Intended for Implementation | |
| Action/Project Number: | TR-6: |
| Name of Action or Project: | Back-up generators for municipal facilities at the Town Hall (8690 Main St, Honeoye) and Highway Garage (8935 Dugan Dr, Honeoye) |
| Action or Project Description: | Provide back-up generators for municipal facilities and operations, and for supporting community needs during a 500yr floods and other hazard events. |
| Summary of Evaluation Benefits (losses avoided) Estimated Cost Other Factors Considered | Maintain continuity of operations \$100,000 to purchase and hardwire two generators |
| Plan for Implementation | |
| Responsible Organization: | Town Board |
| Action/Project Priority: | High |
| Timeline for Completion: | 2023 |
| Potential Fund Sources: | FEMA HMGP |
| Local Planning Mechanisms to be Used in Implementation, if any: | Determine the need for back-up generators for municipal facilities and operations, and for supporting community needs during a hazard Event. |
| Progress Report | |
| Date of Status Report: Report of Progress: Evaluation of Effectiveness: | |